GNU/Linux
(Lezione 1)

Glossario dell'hacker

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SOFTWARE TERMINOLOGY

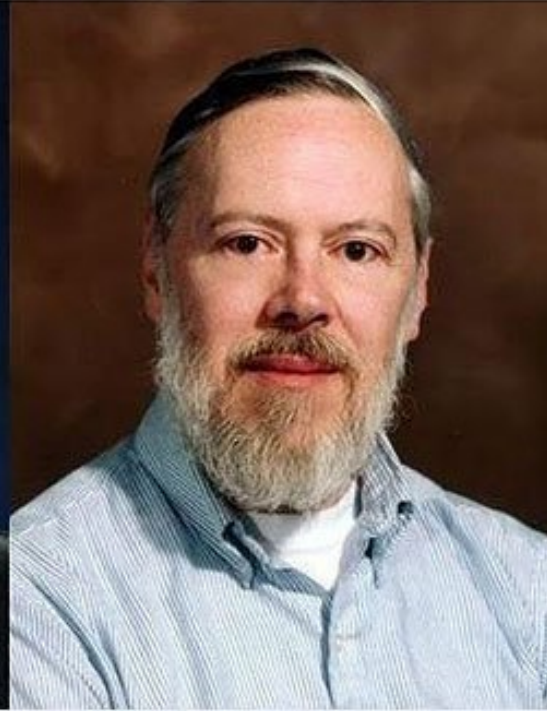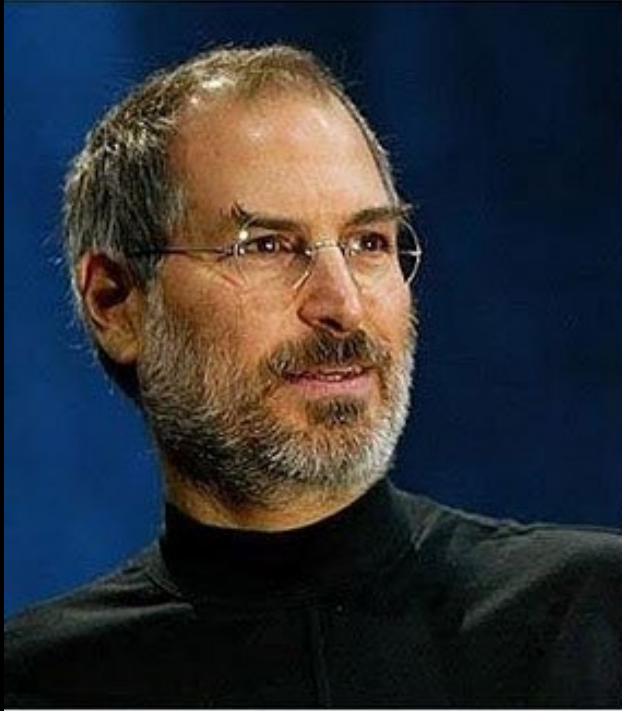| Then	Now
application	app
program	app
operating system	app
script	app
shell	app
batch file	app
compiler	app
daemon	app
service	app
game	app
patch	app
software	app

Hacker

PC

EULA

Unix

1970

Become a Hipster Sell Stolen Ideas

Invent C and UNIX

Praised by Media as Jesus of Computing

Ignored

Without Steve Jobs (February 24, 1955 – October 5, 2011) we would have:
No iProducts
No over expensive laptops

Without Dennis Ritchie (September 9, 1941 – October 12, 2011) we would have:
No Windows
No Unix
No C
No Programs
A large setback in computing
No Generic-text Languages.
We would all read in Binary..

They died in the same year and the same month but it seems only few notice the death of Dennis Ritchie compared to Steve Jobs.

MS-DOS

```
64K High Memory Area is available.


This driver is provided by Oak Technology, Inc..
OTI-91X ATAPI CD-ROM device driver, Rev D91XV352
(C)Copyright Oak Technology Inc. 1987-1997
  Device Name        : 12345678
  Transfer Mode      : Programmed I/O
  Number of drives   : 1


C:\>C:\DOS\SMARTDRV.EXE /X

MODE prepare code page function completed

MODE select code page function completed
MSCDEX Version 2.23
Copyright (C) Microsoft Corp. 1986-1993. All rights reserved.
        Drive D: = Driver 12345678 unit 0

CuteMouse v1.9 [FreeDOS]
Installed at PS/2 port
C:\>_
```

1982

Unix-like

Copyright
Copyleft

free

Libertà 0
Run

Libertà 1
Study + Change

Libertà 2
Share copies

Libertà 3
Share modified copies

Richard Stallman

Emacs   sed   screen

                                        Parted
        GCC
                        wget   GRUB

                GTK+
Bash   grep
                                    nano
                                                gzip

    tar   Chess
GNU

octave
                                GNOME

    mailutils
                    GIMP

        gettext   gnuplot

barcode
                    Linux-libre   Health

                coreutils

        dia
                        backgammon

1984
GNU is not Unix :^)

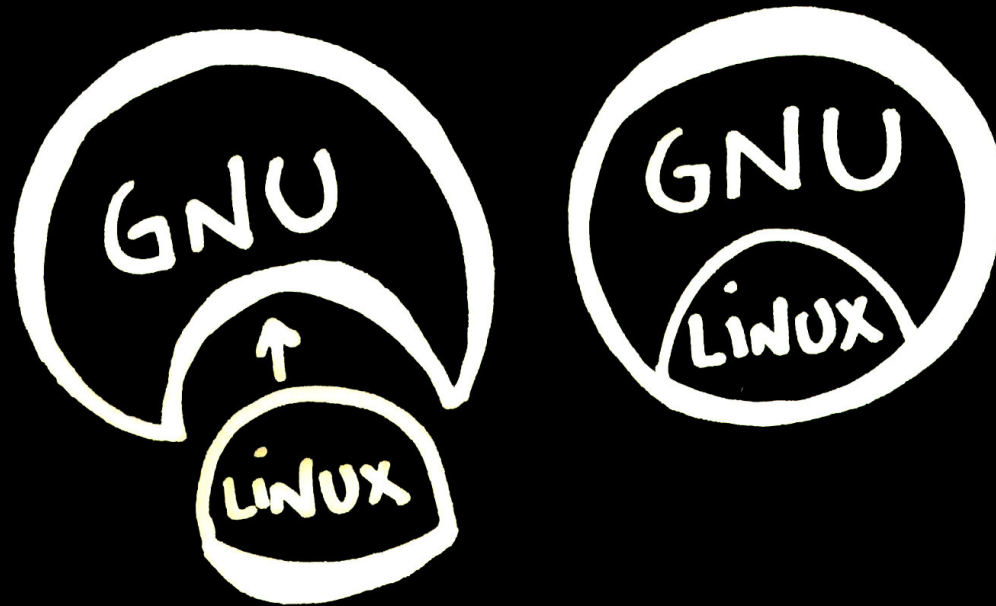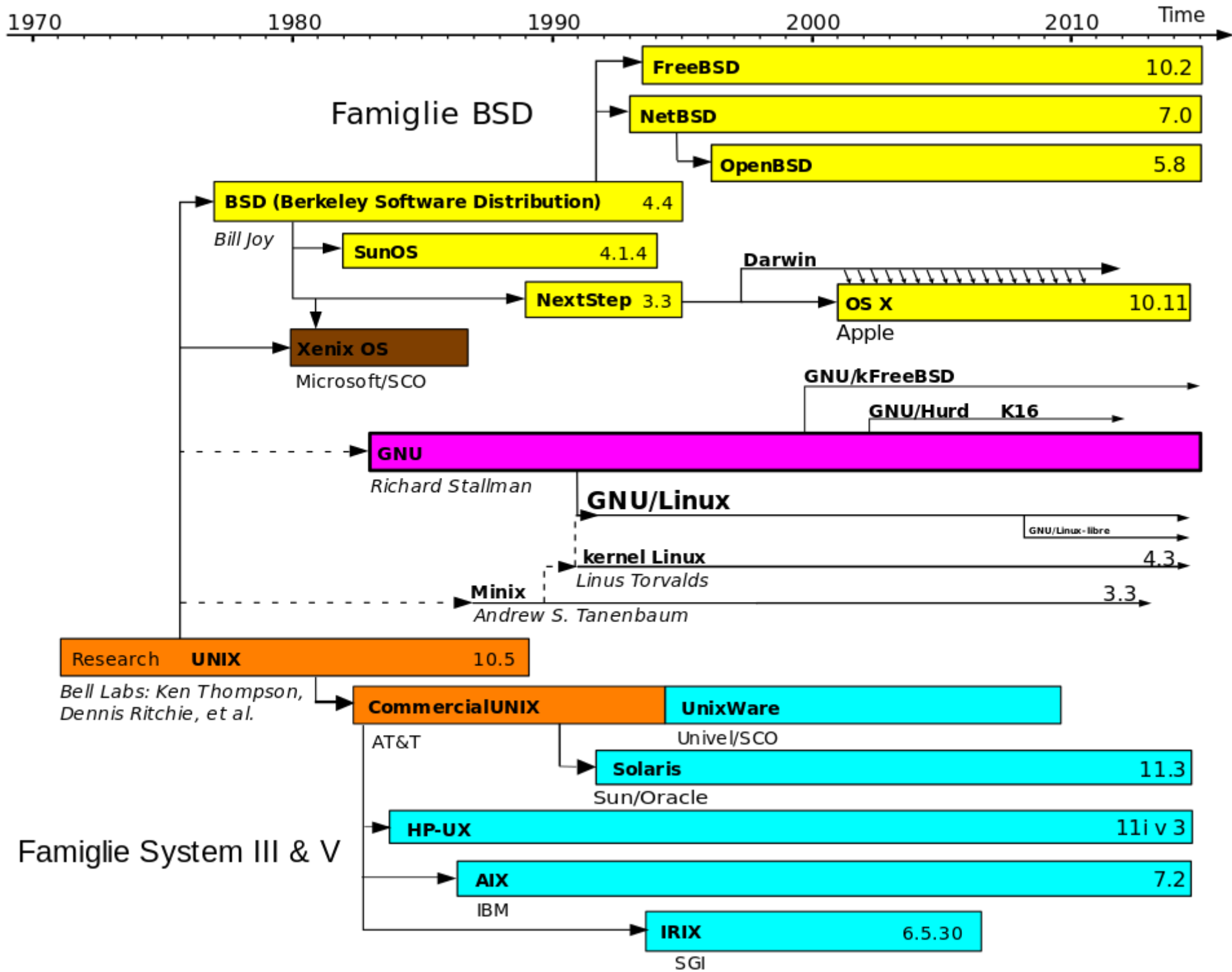# Sistema operativo

Kernel

Linus Torvalds

"Open Source"

Kernel Linux

1991

GNU/Linux

GNU/Linux	= GNU + Linux
GNU/Hurd	= GNU + GNU Hurd
GNU/kFreeBSD	= GNU + kFreeBSD
Android	= MegaRobaInJava + Linux

Time

1970   1980   1990   2000   2010

Famiglie BSD

FreeBSD 10.2
NetBSD 7.0
OpenBSD 5.8

BSD (Berkeley Software Distribution) 4.4
Bill Joy

SunOS 4.1.4

NextStep 3.3

Darwin

OS X 10.11
Apple

Xenix OS
Microsoft/SCO

GNU/kFreeBSD

GNU/Hurd   K16

GNU
Richard Stallman

GNU/Linux

GNU/Linux-libre

kernel Linux 4.3
Linus Torvalds

Minix 3.3
Andrew S. Tanenbaum

Research   **UNIX** 10.5
Bell Labs: Ken Thompson,
Dennis Ritchie, et al.

CommercialUNIX   **UnixWare**
AT&T   Univel/SCO

Solaris 11.3
Sun/Oracle

HP-UX 11i v 3

AIX 7.2
IBM

Famiglie System III & V

IRIX 6.5.30
SGI

Distribuzione

Gestore grafico

Live

Partizione

Grub

Debian

Packaging
+
Dipendenze

RTFM

mount

/etc/

/home/foo

/tmp/

/var/

Standard

Terminando. Non fatevi chiamare
nativi digitali

Siate **davvero** curiosi
e **molto** affamati